

As a minimum, the PTO should refund the fees already paid by Applicant in connection with submissions of the Notice of Appeal and the Appeal Brief.

IN THE CLAIMS

To better distinguish over the applied references, Applicant amends and adds claims as follows.

130. (Amended) An arrangement comprising:

rectifier means connected with an ordinary electric utility power line by way of a pair of AC input terminals and operative to provide a DC voltage at a DC output; [and]

self-oscillating inverter circuit connected with said DC output and operative to provide a sinusoidal output voltage of relatively high frequency across a pair of AC output terminals, one of said AC output terminals being electrically connected with one of said AC input terminals, said inverter circuit comprising an L-C tank circuit having a capacitor and an inductor, said tank circuit being resonant at or near said relatively high frequency, one terminal of said capacitor being connected with one of said AC output terminals; and

gas discharge lamp means connected with the AC output terminals and operative to be properly powered therefrom, the gas discharge lamp means thereby being electrically connected with one of the AC input terminals

131. (Amended) In [an] self-oscillating inverter adapted to be powered from a DC source having a center-tap and to provide an essentially squarewave voltage output, said DC source being connected with and powered from an ordinary electric utility power line by way of a pair of supply conductors, said center-tap being electrically connected with one of said supply conductors, said inverter comprising a pair of alternately conducting switching transistors connected by way of a mid-point in series across said DC source, said squarewave voltage output being provided between said center-tap and said mid-point, the [improvement] modification comprising:

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a series-connected combination of an inductor and a capacitor connected between said center-tap and said mid-point, said series-connected combination: i) having a natural resonance frequency that is equal to or near the fundamental frequency of said squarewave voltage output, ii) and being operative to provide a substantially sinusoidal voltage across a pair of output terminals; and

gas discharge lamp means connected with the pair of output terminals and operative to be powered therefrom.

134. (Amended) A combination comprising:

rectifier means connected with an ordinary electric utility power line by way of a pair of AC input terminals and operative to provide a DC voltage at a DC output;

inverter connected with said DC output and operative to provide a substantially squarewave voltage at a pair of inverter output terminals; [and]

L-C tank circuit connected with said inverter output terminals and operative to convert said squarewave voltage into a substantially sinusoidal voltage and to provide this sinusoidal voltage at a pair of AC output terminals, one of these AC output terminals being electrically connected with one of said AC input terminals; and

gas discharge lamp means connected with the AC output terminals and operative to be powered therefrom.

135. (Amended) A combination comprising:

rectifier means connected with an ordinary electric utility power line by way of a pair of AC input terminals and operative to provide a DC voltage at a DC output;

inverter connected with said DC output and operative to provide a substantially squarewave voltage at a pair of inverter output terminals, said squarewave voltage having a fundamental frequency that is substantially higher than the frequency of the voltage on said power line; [and]

L-C tank circuit connected with said inverter output terminals and operative to convert said squarewave voltage into a substantially sinusoidal voltage and to provide this sinusoidal voltage at a pair of AC output terminals, the frequency of this sinusoidal voltage being equal to said fundamental frequency, one of the AC output terminals being connected with one of said AC input terminals by way of an impedance means that represents an effective short circuit at said fundamental frequency; and

gas discharge lamp means connected with the AC output terminals and operative to be powered therefrom.